

HEAVY EQUIPMENT MECHANIC II

Class Definition

Under supervision, maintains and repairs heavy equipment including City trucks, construction equipment, refuse trucks, and other vehicles and equipment.

Distinguishing Characteristics

Heavy Equipment Mechanic II is the journey level class in the Heavy Equipment Mechanic series. Used in the Fleet Management Division of the Department of Administrative Services, incumbents diagnose and perform fully skilled maintenance and repair of heavy construction, vehicle and mechanical equipment. This class differs from Heavy Equipment Mechanic Leadworker in that the latter is the advanced working/lead level class. It differs from Heavy Equipment Mechanic I in that the latter is an entry level class. This series differs from the Light Equipment Mechanic series in that the focus of the latter is on automotive maintenance and repair. This series differs from the Bus Mechanic series in that the focus of the latter is on the repair of buses and related transit equipment.

Typical Tasks

(This list is neither inclusive nor exclusive. Consequently, this information may not reflect Essential Functions for this class.)

Inspects, diagnoses, repairs and maintains functional parts on heavy-duty vehicles including City trucks, construction equipment, refuse trucks and related mechanical equipment.

Inspects defective equipment and diagnoses malfunctions using motor analyzers, pressure gauges, chassis charts and factory manuals.

Installs new ignition systems, repairs and replaces transmissions and other parts using hand and power tools.

Disassembles and overhauls internal combustion heavy-duty engines, pumps, generators, transmissions, clutches and rear ends.

Reads job order and observes and listens to vehicle in operation to determine malfunction and to plan work procedures.

Maintains records of work performed and assists in the training of subordinates.

Repairs and maintains air, hydraulic and electric brake systems.

Responds to road calls to repair automotive and mechanical equipment.

Performs related duties as required.

Knowledge, Abilities, and Skills

Knowledge of the methods, materials, tools and techniques used in the repair and maintenance of heavy-duty equipment.

Knowledge of the principles of operation of heavy-duty engines and engine driven sub-systems.

Knowledge of the occupational hazards and safety precautions of the trade.

Ability to diagnose malfunctioning mechanical systems and related sub-systems.

Ability to adapt available tools and repair parts to specific repair problems.

Ability to interpret and work from sketches and diagrams.

Skill in the proper use of the tools and equipment used in heavy equipment maintenance and repair.

Minimum Qualifications

Two years of journey level heavy-duty mechanical maintenance and repair experience; **OR**, two years of experience as an Equipment Service Worker II with the City of Fresno. Completion of an approved engine repair apprenticeship program may be substituted for one year of the required experience.

- OR -

A Heavy Equipment Mechanic I may be promoted to Heavy Equipment Mechanic II upon the recommendation of the appointing authority after one year of experience and possession at time of promotion of valid certification by the National Institute for Automotive Service Excellence (ASE) in the following truck service areas: Gasoline Engines, Diesel Engines, Electrical Systems, Drive Train, Brakes, and Suspension and Steering.

Special Requirement

Possession of a valid Class B California Driver's License will be required.

APPROVED: _____

Director

DATE: _____